

**SEVERN
TRENT
SERVICES**

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May 16, 2001

STL LOT NUMBER: E1E090268

PO/CONTRACT: PO/CONTRACT: 05160-SEV002-00-S56

Bob Logan
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 10
Irvine, CA 92612

Dear Mr. Logan,

This report contains the additional analytical result for the sample requested on May 9, 2001. This sample is associated with your BRC former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures meet method-specified acceptance criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the test results provided in this report meet all the requirements of NELAC certification number 01118CA. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 714-258-8610.

Sincerely,



Diane Suzuki
Project Manager









cc: Project File

This report contains **000012** pages.

000001

STL Los Angeles is a part of Severn Trent Laboratories, Inc.

BOE-C6-0124714

-  CANCEL Work
-  Chain of Custody Discrepancy
-  Matrix
-  Tests Not Defined
-  ADD Work
-  TAT Change
-  Sample Problem
-  Other

BOE-C6-0124715

EXECUTIVE SUMMARY - Detection Highlights

E1E090268

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
C_1_31_20 04/27/01 12:10 001				
Hexavalent Chromium	491	125	mg/kg	SW846 7196A

000003

METHODS SUMMARY

E1E090268

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Hexavalent Chromium	SW846 7196A	SW846 7196A/DI

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

000004

SAMPLE SUMMARY

E1E090268

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
EC4F8	001	C_1_31_20		04/27/01	12:10

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

000005

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C_1_31_20

General Chemistry

Lot-Sample #...: E1E090268-001 Work Order #...: EC4F8 Matrix.....: SOLID
Date Sampled...: 04/27/01 12:10 Date Received..: 04/27/01 17:30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	491	125	mg/kg	SW846 7196A	05/10/01	1130234
		Dilution Factor: 1250		Analysis Time...: 14:01	Analyst ID.....: 000022	
		Instrument ID...: W06		MS Run #.....: 1130236	MDL.....: 62.5	

000006

QC DATA ASSOCIATION SUMMARY

E1E090268

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 7196A		1130234	1130236

000007

METHOD BLANK REPORT

General Chemistry

Client Lot #....: E1E090268

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	ND	0.10	mg/kg	SW846 7196A	05/10/01	1130234
		Work Order #: EC6P41AA MB Lot-Sample #: E1E100000-234				
		Dilution Factor: 1				
		Analysis Time...: 13:19 Analyst ID.....: 000022 Instrument ID...: W06				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000008

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: E1E090268

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	0.250	0.246	mg/kg	98	SW846 7196A	05/10/01	1130234
Work Order #: EC6P41AC LCS Lot-Sample#: E1E100000-234							
Dilution Factor: 1							
Analysis Time...: 13:21 Analyst ID.....: 000022 Instrument ID...: W06							

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000009

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: E1E090268

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Hexavalent Chromium	98	Work Order #: EC6P41AC (80 - 120)	LCS Lot-Sample#: E1E100000-234 SW846 7196A	05/10/01	1130234
Dilution Factor: 1					
Analysis Time..: 13:21 Analyst ID.....: 000022 Instrument ID..: W06					

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000010

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: E1E090268

Matrix.....: SOLID

Date Sampled...: 05/09/01 08:25 Date Received...: 05/09/01 16:55

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	0.74	1.00	1.81	mg/kg	107		SW846 7196A	05/10/01	1130234
	0.74	1.00	1.72	mg/kg	98	4.9	SW846 7196A	05/10/01	1130234

WO#: EC4RJ1AE-MS/EC4RJ1AF-MSD MS Lot-Sample #: E1E090319-007

Dilution Factor: 4

Analysis Time...: 14:07 Instrument ID...: W06 Analyst ID.....: 000022

MS Run #.....: 1130236

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000011

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: E1E090268

Matrix.....: SOLID

Date Sampled...: 05/09/01 03:25 Date Received...: 05/09/01 16:55

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium			WO#: EC4RJ1AE-MS/EC4RJ1AF-MSD	MS Lot-Sample #: E1E090319-007		
	107	(80 - 120)		SW846 7196A	05/10/01	1130234
	98	(80 - 120)	4.9 (0-20)	SW846 7196A	05/10/01	1130234
			Dilution Factor: 4			
			Analysis Time...: 14:07	Instrument ID...: W06	Analyst ID.....: 000022	
			MS Run #.....: 1130236			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000012